



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/US96/14317</p> <p>(22) International Filing Date: 6 September 1996 (06.09.96)</p> <p>(30) Priority Data: 08/525.385                      8 September 1995 (08.09.95)    US</p> <p>(71) Applicant: U.S. ROBOTICS CORPORATION [US/US]; 8100 North McCormick Boulevard, Skokie, IL 60076-2999 (US).</p> <p>(72) Inventors: KRALOWETZ, Joseph, D.; 12 Forest Brook Court, Germantown, MD 20874 (US). ORTEGA, Douglas, F.; 9708 Huntmaster Road, Laytonsville, MD 20882 (US).</p> <p>(74) Agent: HULBERT, Bradley, J.; McDonnell Boehnen Hulbert and Berghoff, 7th floor, 300 South Wacker Drive, Chicago, IL 60606 (US).</p>		
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<p>(54) Title: TRANSPARENT SUPPORT OF PROTOCOL AND DATA COMPRESSION FEATURES FOR DATA COMMUNICATION</p>		
<p>(57) Abstract</p> <p>A proxy engine (50) enables network protocols that are supported by both network endpoint application (30) and local endpoint application (20). The proxy engine (50) determines network control protocols and enables data compression techniques (54) that are supported by the network endpoint application (20) and the proxy engine. It transmits data between the local endpoint application (20) and the network endpoint application (30). The proxy engine (50) also opens multiple communication channels for transmitting data simultaneously between the local endpoint application and the network endpoint application.</p>		